BARNACK RURAL DISTRICT COUNCIL

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH.

FOR THE YEAR 1961

To which is added

The Annual Report of the

SURVEYOR AND PUBLIC HEALTH INSPECTOR.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY:-

Medical Officer of Health	G. Nisbet, M.B. Ch.B.(Ed.) D.P.H. R.S.C.(Ed.)
Public Health Inspector and Surveyor	D. Ward Griffiths, M.R.S.H. M.A.P.H.I.

SECTION A. STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area	15,256 acres.
Population estimated mid 1961	5,610
Number of inhabitated houses from Rate Book	819
Rateable Value	57669
Sum represented by Penny Rate	£243

EXTRACT FROM VITAL STATISTICS FOR THE YEAR

		M.	F.	Total.	ENGLAND & WALES.
Live Births.	Leg.	40	48	88	
	Ill.	-	1	1	
	Total	40	49	89	
Live Birth Rate per 1,000 Population				15.8.	17.4
Still-births.	Leg.			0	
	Ill.			0	
Still-birth rate per 1,000 Live and still-births.				0	18.7
Infant Deaths.		M.	F.	Total	
	Leg.			0	
	Ill.			0	
	Total			0	
Infant mortality rate per 1,000 live births : total				0	21.4
Infant mortality rate per 1,000 live births: Legitimate				0	
Infant mortality rate per 1,000 live births : Illegitimate				0	
Early Neo natal Mortality Rate				0	15.5
Neo Natal Mortality Rate				0	
Perinatal Mortality Rate. per 1,000 live & Still-births.				0	
Maternal Deaths.				0	
Maternal mortality rate per 1,000 live and still-births.				0	0.33
Death rate per 1,000 Population				5.1.	12.0.

International statistical classification of diseases.

INJURIES AND CAUSES OF DEATHS.

	Male	Female
Tuberculosis respiratory	1	-
Tuberculosis (other forms)	-	-
Syphilitic Disease	-	-
Diphtheria	-	-
Whooping Cough	-	-
Meningococcal Infections	-	-
Acute Poliomyelitis	-	-
Measles	-	-
Other Infective & Pafasitic Diseases	-	-
Malignant neoplasm of stomach	-	-
Malignant neoplasm of breast	-	1
Malignant neoplasm of lung, bronchus	1	-
Malignant neoplasm of uterus	-	1
Other Malignant & lymphatic neoplasm	2	1
Leukaemia & Aleukaemia	-	-
Diabetes	-	-
Vascular lesions of nervious system	2	-
Coronary diseases	3	1
Hypertension with heart disease	-	-
Other heart diseases	1	2
Other circulatory diseases	2	1
Influenza	-	1
Pneumonia	-	-
Bronchitis	-	-
Other Diseases Respiratory system	-	2
Ulcer of stomach and duodenum	-	1
Gastritis, Enteritis & Diarrhoea	-	-
Nephritis & Nephrosis	-	-
Hyperplasia of Prostate	1	-
Pregnancy, Childbirth & Abortion	-	-
Congenital malformation	-	-
Other defined and ill defined diseases	2	1
Motor Vehicle accidents	-	1
All other accidents	1	-
Suicide	-	-
Homicide & Operations of War	-	-
	16	13

NET DEATHS FROM STATED CAUSES UNDER ONE YEAR OF AGE

	Under 1 week	1 - 2 weeks	2 - 3 weeks	3 - 4 weeks	Total under 1 month	1 - 3 months	3 - 6 months	6 - 9 months	9 - 12 months			Total under 1 year
Premature Birth and Malformation etc.												0
Pneumonia and Bronchitis Enteritis and Diarrhoea												0
Peritonitis												0
Other Cuases												0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0

ANALYSIS OF CASES OF INFECTIOUS DISEASES AND DEATHS THEREFROM.

	Total cases notified	Cases admitted to Hospital.	Total Deaths.
Scarlet Fever	2	-	0
Pneumonia	2	-	0
Acute Poliomyelitis	0	-	0
Measles	139	-	0
Dysentery	0	-	0
Whooping Cough	0	-	
Food Poisoning	0	-	0
Erysipelas	0	-	0
TOTAL.	143	-	0

AGE DISTRIBUTION OF THE NOTIFIED INFECTIOUS DISEASES

	Under 1 year	1 year	2 years	3 years	4 years	5 - 9 years	10 - 14 years	15 - 19 years	20 - 24 years	25 - 34 years	35 - 44 years	45 - 54 years	55 - 64 years	Over 65	Unknown	TOTAL
Scarlet Fever	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2
Pneumonia	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2
Dysentery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Poliomyelitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	8	10	11	16	70	6	1	-	1	-	-	-	-	16	139
Food Poisoning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping Cough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	8	10	11	16	70	7	1	-	1	-	1	-	1	17	143

TUBERCULOSIS

	Deaths during 1961				New cases during 1961			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M	F	M	F	M	F	M	F
0 - 1 years								
1 - 5 "								
5 - 15 "								
15 - 25 "								
25 - 35 "								
35 - 45 "								
45 - 55 "								
55 - 65 "								
Over 65								
TOTAL	-	-	-	-	-	-	-	-

New cases notified during 1959 =
" " " " 1960 =
" " " " 1961 =

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FACTORY ACT, 1937 PART 1 OF THE ACT.

1. INSPECTIONS for purposes of provisions as to health (including inspections made by the Public Health Inspector).

	Number on Register	Inspections	Number of Written Notices	Occupiers Prosecuted.
(1) Factories in which sections 1,2,3,4 and 6 are to be enforced by Local Authorities.	2	3		
(11) Factories not included in (1) in which section 7 is enforced by the Local Authority	7	13		
111) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers premises)	6	6		
TOTAL	15	22	-	-

2. Cases in which defects were found

If defects are discovered at the premises on two, three or more separate occasions, they should be reckoned as, two three or more "cases".

	Number of cases in which defects were found.				Number of cases in which prosecutions were instituted.
	Found	Remedied	To H.M. Inspector.	By H.M. Inspector Referred.	
Want of Cleanliness	1	1			
Overcrowding					
Temperature					
Inadequate ventilation					
Ineffective drainage of floors.					
Sanitary Conveniences (a) insufficient (b) unsuitable or defective (c) not Separate for sexes.	1	1			
Other offences against the Act (not including offences relating to Outwork.)					
TOTAL.	2	2	-	-	-

PART VIII of the ACT - Outwork (Sections 110 and 111) .... NIL.

GENERAL PROVISIONS OF HEALTH SERVICES IN THE AREA

Nursing in the Home.

Under the Soke of Peterborough County Council Scheme the services of the District Nurses are available in all the villages in the District.

Home Helps.

Home Helps are available under the County Council Scheme. Application should be made to:-

The Home Help Organiser,
County Council Offices,
Bridge Street,
PETERBOROUGH.

General Hospitals.

Acute and Maternity admissions are either to the Stamford and Rutland Hospital, Stamford, or the Memorial Hospital, Peterborough, Maternity Units under the charge of this Hospital.

Chronic and long term cases are admitted to St. George's Hospital, Stamford, St. John's Close or St. John's Hospital, Peterborough.

Isolation Hospital.

Infectious cases are admitted to the Peterborough Isolation Hospital under the Peterborough Hospital Management Committee.

TREATMENT CENTRES AND CLINICS.

(a) Provided by the Soke of Peterborough County Council.

Child Welfare Clinics:-

(a)	The Village Hall, Barnack.	1st Wednesday & 3rd Thursday in the month, in the arternoon.
(b)	The Sick Quarters, R.A.F. Station, Wittering.	1st & 3rd Wednesday in the month, in afternoon.

Diphtheria Immunisation.

Provided under the General Practitioner Service of the National Health Acts.

(b) Provided by the Regional Hospital Board.

Tuberculosis.

Tuberculosis cases are seen at the Chest Clinic, Stamford Hospital provided by the Peterborough and Stamford Hospital Management Committee.

Weekly Clinic:-

Stamford and Rutland Hospital	Tuesday and Friday.
Chest Clinic, 1, Thorpe Road Peterborough.	Old cases Monday, Wednesday and Friday. New cases Tuesday and Friday.

BARNACK RURAL DISTRICT COUNCIL.

ANNUAL REPORT

OF THE

PUBLIC HEALTH INSPECTOR, SURVEYOR AND WATER ENGINEER.

My Lord, Ladies and Gentlemen,

I have pleasure in submitting my 11th Annual Report for the year ended 1961.

STATEMENT OF INSPECTIONS AND VISITS.

Water Supplies	95
Refuse Collection and Disposal	57
Drainage and Sewage Disposal	171
Factories and Workshops	22
Housing (other than Council houses)	79
Council House Maintenance	391
Building	346
Infectious Diseases	2
Food Preparation (including school kitchens)	19
Miscellaneous	75
	1257

HOUSING AND PUBLIC HEALTH ACTS.

Undertakings not to re-let were given by owners in respect of 10 unfit houses. A further 4 in respect of which similar undertakings were received last year, were purchased and demolished by the Council to make a building site for 6 Dwelling Units at Bainton. In addition a Closing Order was made on another unfit property.

47 houses were repaired (19 last year) as a result of informal action.

IMPROVEMENT GRANTS.

8 applications for Discretionary Improvement Grants were approved to the value of £2,813.

A similar number of applications for Standard Grants to the value of £975, were also approved.

FACTORIES AND WORKSHOPS.

The number of factories registered during the year was 15, the majority being small one-man businesses. Periodical inspections were made and there is nothing special to report.

MILK AND DAIRIES REGULATIONS.

During the year the licencing duties under the Special Designations Regulations were transferred to the County Council and in future no supplementary licences are to be issued by the District Council for Designated milks.

SHOPS ACTS.

Periodical inspections have been made during the year of the 12 shops in the District and there is nothing special to report except that one elderly shop keeper finds difficulty, despite repeated warnings, in keeping his premises clean.

FOOD HYGIENE REGULATIONS AND REGISTERED FOOD PREMISES.

There are 9 premises registered for the storage and sale of ice cream. All ice cream retailed in the District is sold in pre-packed containers.

Periodical inspections of all food premises including school kitchens, were again carried out during the year. In one case certain contraventions were observed, which culminated in the owner selling the food premises at the end of the year.

2 complaints regarding (a) glass in a loaf of bread and (b) foil cap in a bottle of milk were investigated. In each case the firms concerned were cautioned. No prosecutions were instituted during the year.

SLAUGHTERHOUSES AND KNACKER'S YARDS.

No such premises in the District.

RAG, FLOCK ACT.

No such premises in the District.

PET ANIMALS ACT.

No such premises in the District.

PREVENTION OF DAMAGE BY PESTS ACT.

This Scheme, which utilises a part-time rodent operator in conjunction with 4 adjoining Authorities has again proved to be satisfactory. The following inspections and treatments were made during the year:-

Inspections.

Local Authority	26	
Private Dwellings	177	
Agricultural Premises	12	
	215	

Treatments.

Local Authority	14	
Private Dwellings	152	
	166	
	215	Total 381

Various Sewage Disposal works, lengths of Public Sewers and the Council's Refuse Tip were periodically inspected and treated.

Despite an increase in infestation in the Autumn, all complains received were investigated and the necessary free treatment given for domestic properties.

INFECTIOUS DISEASES.

Only 2 cases of scarlet fever were notified during the year. Both cases were of a minor nature and no terminal disinfection was carried out.

DRAINAGE AND SEWAGE DISPOSAL.

(a) Pilsgate, Barnack, Bainton and Ufford.

This Scheme progressed satisfactorily during the year and at the end of the year the Disposal Works at Bainton and the Bainton Pump House were commissioned and in partial use.

(b) St. Martin's Without and Wothorpe.

Certain blockages occurred in these ejectors and these were promptly attended to. In May a new rotary compressor had to be installed in the Wothorpe Ejector Station at a cost of £50 0s. 0d.

(c) Wittering.

During the first half of the year 6 samples of sewage effluent were taken and all proved to be unsatisfactory. A further 2 samples were taken in the

latter part of the year and in each case they were satisfactory. Certain troubles were experienced with the comminutor and after several visits by representatives of the manufacturers, the difficulties were finally resolved.

Due essentially to Air Ministry development, extensions to the existing works were commenced under an Air Ministry contract in September and a novel feature of these works will be the installation of sludge-straw compost bays.

(d) Thornhaugh/Wansford.

Towards the latter part of the year, having regard to estimated comparative costs, the Council was advised not to drain these two villages in combination with the proposed Normal Cross R.D.C. scheme for Stibbington.

The Ministry's Engineering Inspector, who conducted an investigation on 27th September into the Normal Cross scheme was informed of this decision and was notified that the works for the drainage of Wansford and Thornhaugh should preferably be constructed in Wansford within the Barnack R.D.C. Area.

At the end of the year the Council agreed to instruct its Consulting Engineers to carry out preliminary work on the design of this scheme.

A sample of effluent taken from the Wansford unit, serving 24 Council Houses, was unsatisfactory.

(e) General.

The small sewage disposal units taking discharges from groups of Council Houses from Thornhaugh, Wansford, Pilsgate, Barnack and Ufford continued to be maintained during the year and settlement tanks, etc. were emptied periodically.

A sewerage survey of the Area was made and the necessary technical data and information given to a Ministry Engineering Inspector when he visited the Area on the 5th October.

REFUSE COLLECTION AND DISPOSAL

The weekly scheme of direct labour refuse collection worked very well during the year, compared with a fortnightly contract service previously, with the result that there was no interruption of this essential service.

During the year a request received from the Air Ministry for the collection of domestic refuse from R.A.F. properties at Wittering was considered, but no action was taken, except to grant to the Air Ministry free tipping facilities at the Council's tip.

Controlled tipping was again possible by utilising disused foundry sand which was made available for the purpose.

Since the commencement of the scheme in October last year, paper salvage was collected and sold for £56.11s. 0d., a proportion being given back to the collectors.

Further litter bins were provided in different parts of the District during the year.

WATER SUPPLY

a) Wansford, Thornhaugh and Wittering.

The water supply to these villages is derived from out-cropping springs within a collecting area at Leicester Road, Thornhaugh. The installation comprises of a 20,000 galls. pumping sump and pump house, water being pumped through a 4" rising main to a 28,000 galls. elevated tank at Wittering with a branch connection to the 10,000 galls. tank at Thornhaugh. A G.P.O. line connects automatic transmitters between the pump house and the Wittering tank. A subsidiary 3,000 galls tank at

Wittering takes the overflow from the larger tank and is used essentially for supply to the Wittering Airfield.

During the year a total of 22,353,000 galls. were taken from the Thornhaugh source, 17,819,000 galls being consumed at Wittering and 4,534,710 galls at Thornhaugh and Wansford. A comparison of consumption figures with previous years is given below:-

Consumed at	1957	1958	1959	1960	1961
THORNHAUGH and WANSFORD	4,925,000	5,092,520	4,278,030	4,343,010	4,534,710
WITTERING (from Thornhaugh)	3,583,000	7,556,280	16,341,000	18,221,490	17,819,000
(from Stamford Waterworks)	1,851,000	15,000	11,000	-	-
Total WITTERING	5,434,000	7,571,280	16,352,000	18,221,490	17,819,000
Total from THORNHAUGH Source	8,508,000	12,648,800	20,619,030	22,564,500	22,353,710

During the year 6,914,000 galls were consumed by the R.A.F. Camp Wittering, compared with 6,845,000 galls in 1960.

In July I wrote to the R.A.F. Authorities asking them to do everything possible to conserve the water supplies and, although the scheme has again worked well, during peak periods the intervening consumotion from the pumping-distribution main at Wittering again prevented the filling of the Wittering tank during the day. At the end of July, schemes A (12 Married Officers) and B (69 Airmen), commenced the previous year, were completed except for the interconnecting main between Boxer Road and Church Road.

Scheme C (18 Officers, 17 Warrant Officers and 135 Airmen's quarters) was commenced on the 10th July at a cost of £4,900 and was completed at the end of the year

b) Barnack Water Supply.

This supply is derived from Lincolnshire Limestone and involves the pumping of water from a deep bore at Barnack to a elevated 15,000 galls tank at Pilsgate, and thence by gravity to the Barnack side of the District. Certain electrical faults and starter troubles were again experienced during the year and these were attended to.

At the early part of the year one of the submersible pumps in the Barnack Pump house had to be taken up and repaired at a cost of £126.14s. 3d.

It was pleasing to see, as a result of my many previous reports to Council regarding the inadequacy of the 15,000 galls elevated tank at Pilsgate, that during the year it was decided to investigate the erection of a much larger tank, including the augmentation of the Thornhaugh source in respect of extra water required at Wittering due to large-scale development in this village.

The first phase of the scheme was prepared by the Consulting Engineers and submitted to the Ministry which resulted in a Ministry Engineering Inspector investigating the scheme on 3rd May. This was followed by a visit to the Ministry

at Whitehall on 12th June by a representative of the Consulting Engineers, the Engineer designate of the South Lincs. Water Board and your Surveyor.

Ministry approval to phase I of the scheme (twin 6" water mains from Pilsgate to Wittering with in-mains booster, etc.) was given on the 12th December.

15,342,000 galls. were supplied to the District during the year compared with 13,738,000 galls. in 1960.

c) St. Martins Without and Wothorpe.

Stamford Water Works are the Statutory Undertaking for these parishes.

d) Water Samples.

10 samples of water were taken for bacteriological examination as follows:-

	Number taken	Classification of Results. 1	2	3	4
Barnack Public Supply					
Before Chlorination	2	2			
After Chlorination	3	3			
Private Property - tank in roof space	1				1
Thornhaugh Public Supply.					
Before Chlorination	2	2			
After Chlorination	2	2			
	10	9	-	-	1

NOTE

Ministry of Health Standard of Purity for drinking water is as follows:-

		Presumptive Coli per 100 ml.
Class 1	Highly satisfactory	Less than 1
Class 2	Satisfactory	1 - 2
Class 3	Suspicious	3 - 10
Class 4	Unsatisfactory	Greater than 10

e) South Lincolnshire Water Board.

During the year further steps were taken in the formation of the South Lincolnshire Water Board, comprising 9 constituent water undertakings, and during the year the Draft Order was considered by the Ministry holding an Enquiry at Bourne on the 14th November.

f) New Connections.

259 new services were given for 251 R.A.F. Quarters, 6 new dwellings and 2 existing houses.

g) Bursts.

Only 3 bursts occurred this year and all of these were due to the Contractors employed in the laying of sewers in the Barnack Area. These were promptly attended to.

h) General

Evidence of cupro-solvent action was again observed during the year. No problems arise from plumbo-solvency.

On the 7th March, your Surveyor gave various technical details to Professor Edgar Morton, the Consultant Geologist, who had been retained to act for the 9 Constituent Authorities of the proposed South Lincolnshire Water Board regarding proposals made by Richard Thomas and Baldwin for the working of iron ore within the Area of the Barnack Rural District. A subsequent inspection was made by Professor Morton of the 2 water supply sources in the Area.

BUILDING BYLAWS.

51 Plans (48 last year) were deposited and approved under the Council's Building Byelaws for the following:-

Conversions adaptations and improvements	24
New Private Dwellings	10
Private Garages	8
Sanitary conveniences, drainage, etc.	20
Hairdresser's shop (amended plan)	1
Printing Works (amended plan)	1
County Club (amended plan)	1
New kitchens	2
Housing layout	1
Change of use - shop	1
County Primary School with House	1
Dutch Barn	1
Alterations to Factory	1

A further plan for the conversion of stables into 6 flats was not approved.

COUNCIL HOUSE MAINTENANCE.

Minor repairs to Council Houses are carried out by Council workmen and other repairs and improvements by local building contractors.

The external painting of 40 houses at a total cost of £407 was approved during the year. The provision of small prefabricated timber storage huts again proved to be a popular scheme, the Council House tenants concerned paying an extra rental of 1/9d. per week.

There was an apparent greater need for garages for use by Council House tenants.

During the year it was decided that earth leakage trips would have to be provided in certain Council Houses due to poor earthing potential.

NEW COUNCIL HOUSE BUILDING.

At the beginning of the year the last couple of Council Houses in phase 2 (total 16) at Abbots Close, St. Martins, were completed and handed over.

At the beginning of the year, the Council decided not to proceed with the erection of 6 dwelling units and 2 garages at Bainton due to the high cost of tenders received. After an inspection had been made of Gregory Houses, erected by neighbouring Authorities, the Council decided to build 10 flats at Wittering (with sub-floor heating) and four 3-bedroomed houses, two 1-bedroomed bungalows and 3 garages at Bainton, and both these schemes (total cost approx. £26,000) were commenced in December.

The Council purchased 5 sub-standard cottages (numbers 2/3, 4 and 5, Bainton, and cottage at Barnack) at a cost of £860, to be used for temporary housing only.

In October the submersible pump in the Barnack Pumphouse broke down, and the stand-by pump was lowered. Certain parts of the District were affected but with the co-operation of the County Fire Service in supplying water as a special service, inconvenience to consumers was reduced to a minimum.

This breakdown has again emphasised what I have reported on numerous previous occasions that the present 15,000 galls. tank at Pilsgate is totally inadequate for present-day demands, let alone for the anticipated increase in consumption as a result of improvement of properties which will follow when the sewerage scheme, previously mentioned, for this area is completed

During the year the Consulting Engineers were instructed to investigate the improvement of this supply, not only for the Barnack District, but also to augment the Wittering supply due to further Air Ministry Development.

In May, a continuous pumping test at the Barnack source was carried out. This was highly satisfactory in all respects, 2,593,000 galls. being pumped in 14 days. This proves my contention that this is a very good source indeed, with even greater potential if the capacity of the pumps, size of pumping main and storage capacity are increased. In August 1960 the Ministry of Housing and Local Government gave permission for the extraction of not more than 144,000 galls. in any 24 hours, and not more than 44,000,000 galls. in any calendar year.

13,738,000 galls. were supplied to the District during the year, compared with 11,619,000 galls. in 1959, but the difference is accounted for by the pumping test in May 1960, previously mentioned.

(c) St. Martin Without and Wothorpe.

Stamford Waterworks are the statutory undertakers for these parishes.

(d) Water Samples.

A total of 18 samples of water were taken for bacteriological examination 16 of which were from the Council's Barnack and Thornhaugh public supplies, results of which are as follows :-

	Number Taken.	Classification of Results. 1	2	3	4
Barnack Public Supply.					
Before Chlorination	3	3			
After Chlorination	4	4			
Thornhaugh Public Supply.					
Before Chlorination	4	2			2
After Chlorination	5	3	1	1	
	16	12	1	1	2

NOTE:

Ministry of Health Standard of Purity for drinking water is as follows :-

		Presumptive Coli per 100 ml.
Class 1.	Highly Satisfactory	Less than 1
Class 2.	Satisfactory	1 - 2
Class 3.	Suspicious	3 - 10
Class 4.	Unsatisfactory	Greater than 10.

It will be seen that whereas samples taken from the Barnack source were again highly satisfactory, of the 9 samples taken from the Thornhaugh Supply 2 were unsatisfactory and 1 was suspicious.